



CottonInfo Irrigation Toolbox Series

The CottonInfo Irrigation Toolbox Series provides key resources for irrigators. It includes factsheets and videos to help managers and farm staff better understand best practices for an efficient irrigation.

Furrow Irrigation

Furrow Irrigation – Facts and Fiction: Often what one might perceive, is not fact when it comes to surface irrigation. Jim Purcell lists the facts.

[Click here](#)

Furrow Irrigation – Key factors to consider when improving furrow irrigation: There are simple management practices that can improve the efficiency of an irrigation event.

[Click here](#)

Irrigation Checklist: A one-page checklist for irrigators to tick off in preparation for irrigating.

[Click here](#)

Irrigation record sheet: This field sheet allows irrigators to keep track of what is happening to the water at a field level. Providing start and stop times for each set provides important information on runtimes and allows irrigators to record comments for their supervisor/manager.

[Click here](#)

Detailed irrigation record sheet: This field sheet is for those irrigators who are pulling siphons from individual furrows once the water has run through. It allows quick identification of furrows and includes necessary detail so when there is a change of shift, irrigators know exactly where they are up to.

[Click here](#)

Siphon size – Size does matter: Siphon pipe diameter has a significant influence on flowrate. It is therefore important to know what siphon you are using as metric and imperial siphons specify diameter differently. Internal diameter can also vary as wall thickness can vary between manufacturers. A 2 ½ inch siphon is NOT the same as a 63mm siphon!

[Click here](#)

Theoretical flow rates for siphons: Three charts of theoretical flow rate (in litres per second) for a given combination of operating head (mm) and siphon internal diameter (ID, mm). Each chart has been designed for a particular siphon length; representative of the most common lengths provided by manufacturers. The chart provides a theoretical flowrate for each combination so irrigators can estimate the volume of water delivered to a field.

[Click here](#)

CottonInfo Irrigation videos:

Irrigating with siphons: How to start a siphon and siphon management on a cotton farm.

[Watch video](#)

Siphon sizes and flow rates: Siphon diameter and wall thickness both influence flow rate. Lance Pendergast explains how you can use WATERpak to determine the flow rate through your pipes.

[Watch video](#)

Siphon placement: Where the end of the siphon falls can have a significant impact on the flow rate through that siphon, and thus how evenly a field is watered. Using a flow meter, Lance Pendergast demonstrates why.

[Watch video](#)

